

I. AMENDMENTS TO THE CLAIMS

In response to the above-referenced Office Action, please amend the application in the claims as follows (support for the following claim amendments is found in the application specification at, e.g., page 1 line 9 through page 4 line 24):

1 1. (Currently Amended) A high temperature rigid fiberboard formed by
2 a process comprising the steps of:
3 providing a fibrous material, the fibrous material including alumina
4 silica fiber, soluble fiber, mineral wool or a combination thereof, the fibrous
5 material comprising a weight percent greater than any other solid ingredient;
6 performing fiberization;
7 forming a fibrous mat;
8 accumulating layers of built-up fibrous mat;
9 heating and pressing the fibrous mat to achieve a desired thickness
10 thereof; and
11 drying the fibrous mat to form a fibrous high temperature pressed
12 board product;
13 such that the resulting fiberboard is free of organic binder or starch
14 subject to burning off and producing undesirable off-gassing during use.

1 2. (Original) The fiber board formed by a process in accordance with claim
2 1, the process further comprising the step of: adding a filler material.

1 3. (Original) The fiber board formed by a process in accordance with claim
2 1, the process further comprising the step of: adding dry/granular binder.

1 4. (Original) The decorative cordless light emission element display
2 apparatus of claim 1, wherein the housing is formed from a sturdy, shatter resistant,
3 substantially translucent polymeric material.

Not
Original →

1 5. (Original) The fiber board formed by the process of claim 3, further
2 comprising the step of adding the binder just after the fiberization step and before
3 the formation of the fibrous mat.

1 6. (Original) The fiberboard formed by the process of claim 3, further
2 comprising the step of adding the binder at the fiberization step and before the
3 formation of the fibrous mat.

1 7. (Original) The fiberboard formed by the process of claim 3, further
2 comprising the step of adding water to dissolve the binder.

1 8. (Original) The fiberboard formed by the process of claim 7, wherein the
2 water is applied just prior to the hot pressing step.

1 9. (Original) The fiberboard formed by the process of claim 7, wherein the
2 water is added in the form of encapsulated moisture in the same vicinity the binder is
3 added.

1 10. (Currently Amended) A fibrous board comprising a body of fibers
2 constituting a majority weight percent of the board, the fibers adhered together and
3 accumulated without the requirement of organic binders such that the fibrous board
4 does not require surface finishing before or produce off-gassing during initial use.

1 11. (Original) The fibrous board of claim 10, wherein the fiber is selected from
2 the group consisting of alumina silica fiber, soluble fiber, mineral wool or any
3 combination of thereof.

1 12. (Currently Amended) The fibrous board of claim 10, comprising a
2 body of refractory ceramic fiber and mineral wool, wherein the mineral wool is
3 adhered to the refractory ceramic fiber.

1 13. (Original) The fibrous board of claim 11, wherein the ceramic fiber and
2 mineral wool are adhered by at least one binder.

1 14. (Original) The fibrous board of claim 13, wherein the at least one binder is
2 an inorganic binder.

1 15. (Original) The fibrous board of claim 14, wherein the inorganic binder is
2 selected from the group consisting powder or granular potassium silicate, sodium
3 silicate or other silicate materials, or phosphate or phosphate based materials and
4 combinations thereof.

1 16. (Original) The fibrous board of claim 15, further comprising at least one
2 filler material selected from the group consisting of clays, cements, perlite or
3 vermiculite and combinations thereof.

1 17. (Original) The fibrous board of claim 13, further comprising at least one
2 filler material selected from the group consisting of clays, cements, perlite or
3 vermiculite and combinations thereof.

1 18. (Original) The fibrous board of claim 15, wherein the fiber weight percent
2 is about 70-98%, the weight percent of binder is 2-20%, and the weight percent of filler
3 is 0-15%.

1 19. (Original) The fibrous board of claim 18, wherein the board is greater
2 than 50% inorganic.

1 20. (Original) The fibrous board of claim 19, wherein the board is greater
2 than 75% inorganic.

1 21. (Original) The fibrous board of claim 20, wherein the board is greater
2 than 85% inorganic.

1 22. (Original) The fibrous board of claim 21, wherein the board is greater
2 than 99% inorganic.

1 23. (Cancelled) ~~The fibrous board of claim 18, which exhibits no off~~
2 ~~gassing.~~

1 24. (Currently Amended) The fibrous board of claim 19, wherein the
2 binder is added into the process as, or just after, the fiber is being produced or as the
3 mat or fleece is being developed.

1 25. (Original) The fiberboard formed by the process of claim 8, wherein
2 water spray is added to the top and bottom surfaces at a rate of 10-30% of fiber basis
3 weight on each of the two surfaces.

1 26. (Original) The fiberboard formed by the process of claim 25, wherein the
2 water further comprises wetting agents to improve water penetration into the fiber
3 mat.

1 27. (Original) The fiberboard of claim 25, wherein the density and thickness is
2 determined by being subjected to a hot press at a temperature sufficient to produce
3 steam and for a period of time sufficient to dry or nearly dry the board. Typical
4 temperatures are 350 F-600 F.

5 28. (Original) A process comprising a fiber board incorporating fiber,
6 binder(s), fillers, and using a process wherein the binders are added at or just after a
7 point of fiberization and before formation of a fibrous mat from which the boards are
8 produced in a continuous manner, whereby accumulating wheels of layers of built
9 up fibrous mat of desired thickness is pressed and dried into high temperature fiber
10 boards.

1 29. (Original) A process comprising a fiber board incorporating fiber,
2 binder(s), fillers, and using a process wherein the binders are added at or just after a
3 point of fiberization and before formation of a fibrous mat from which the boards are
4 produced in a continuous manner, whereby accumulating wheels of layers of
5 continuous mat of desired thickness is pressed and dried into high temperature fiber
6 boards.

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1 30. (Original) A process comprising a fiber board, free of fillers, incorporating
2 fiber, binder(s) and using a process wherein the binders are added at or just after a
3 point of fiberization and before formation of a fibrous mat from which the boards are
4 produced in a batch manner, whereby accumulating wheels of layers of built up
5 fibrous mat of desired thickness is pressed and dried into high temperature fiber
6 boards.

1 31. (Original) A process comprising a fiber board incorporating fiber,
2 binder(s), fillers, and using a process wherein the binders are added at or just after a
3 point of fiberization and before formation of a fibrous mat from which the boards are
4 produced in a batch manner, whereby accumulating wheels of layers of continuous
5 mat of desired thickness is pressed and dried into high temperature fiber boards.

1 32. (Original) A pressed ceramic fiber board comprising a ceramic fiber, an
2 inorganic binder and a filler.

1 33. (Original) A pressed ceramic fiber board comprising about 70-98%
2 weight percent of alumina silica fiber, soluble fiber, mineral wool or any combination
3 of thereof, about 2-20% of powder or granular potassium silicate, sodium silicate or
4 other silicate materials, or phosphate or phosphate based materials and
5 combinations thereof, and about 0-15% of clay, cement, perlite, or vermiculite and
6 combinations thereof.